

CLAIMS

[1] A parking brake system comprising: a parking piston (44) slidably fitted into a casing (23) so that a parking brake state of a wheel brake (2A, 2C) can be obtained by forward movement in response to a parking control fluid pressure acting on a rear face side of the parking piston (44); a lock mechanism (31) provided within the casing (23) so as to automatically lock in response to forward movement of the parking piston (44) in order to mechanically lock the parking piston (44) at a forward position and unlock in response to a parking release control fluid pressure acting on the lock mechanism (31), the lock mechanism (31) comprising a lock piston (56) that is slidably fitted into the casing (23) to the rear of the parking piston (44) so that the parking release control fluid pressure can act on the lock piston (56) toward the rear and a spring (64) provided in a compressed state between the lock piston (56) and the casing (23) so as to exhibit a spring force that urges the parking piston (44) to move forward; a fluid pressure source (10A, 10B, M); and fluid pressure control means (105A, 105B) for controlling a fluid pressure generated by the fluid pressure source (10A, 10B, M) so that the parking control fluid pressure and the parking release control fluid pressure can be obtained; an opening (112) provided in a portion of the casing (23) that the rear side of the lock piston (56) faces being closed by a detachable lid member (113), a tool connection part (115) being provided in a rear portion of the lock piston (56), and the tool connection part (115) enabling a tool (116) inserted through the opening (112) to be detachably connected to the tool connection part (115).